
EE/CprE/SE 491 WEEKLY REPORT 5

March 13th, 2020 – April 12th, 2020

Group number: 12

Project title: Fleet Monitoring System

Client &/Advisor: Lofti Ben Othmane

Team Members/Role:

Lorenzo Chavarria – Front End

Marco Yopez – Embedded Device

Nicolas De La Cruz – Server & Database

Joe Herrera – Mobile Development

Bi-Weekly Summary

Embedded systems worked on improving the responses from the OBD system and mocking a user using the system. Implemented login and signup communication to server for the android application so that an user can register themselves or login. For the web application, an user can sign up and register through the server. A navbar was also created pointing to blank templates of each tab on the navbar except the data tab. The data tab has some dummy components. The server was able to implement routes for employees to contain the email, password and role. The server encrypts and decrypts the password.

Individual contributions

Name	Contribution	Hours This Week	Hours Cumulative
Marco Yopez	Updated how responses are calculated and added a User class to PiCAN	8	42
Joe Herrera	Implemented login and sign up for the mobile app. App communicates with the server.	12	46
Nic De La Cruz	Implemented routes for employees and encrypted user information.	9	40
Lorenzo Chavarria	Implemented log-in and sign-up to work with the server. Also created a Navbar for application. Added templates for each page. Started adding content to the data page.	10	40

Pending issues

Marco

No pending issues.

Joe

No pending issues.

Nicolas:

No pending issues.

Lorenzo:

No pending issues.

Plans for Upcoming Week(s)

Marco

Join mobile frontend in doing UI sketches and creating a logo. Will also be updating PiCAN code.

Joe

Work on a design sketch for the dashboard and then implement the design so an user can view their data upon logging in.

Nicolas

Add image storage to employees, add new fields for employee name, and refactor server to use microservices.

Lorenzo

Working on a data page, making a home page, and adding components to other pages that are blank.